

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A termination system for sealing a cyclone separator leg ~~which joins~~ joining and sealing the lower end of the leg of a secondary cyclone and the leg of a primary cyclone, comprising:

a cyclone separator leg which joins the lower end of the leg of the secondary cyclone and the leg of the primary cyclone to form a single primary and secondary cyclone leg complex where the solids collected by both cyclones are combined, said separator leg terminating distally in a radius-curved single leg termination that is immersed in a fluidized bed of particles and devoid of movable sealing parts, wherein characterized by the said collected and combined solids being simultaneously are discharged from said separator single leg by means of a through said radius-curved single leg termination of the long radius curve type.

Claim 2. (canceled).

3. (currently amended) A system according to claim 1, ~~characterized in that~~ wherein the long radius curve radius-curve of the single leg termination has a ratio of radius/diameter within the ~~band~~ range from 1.0 to 3.0.

4. (currently amended) A system according to claim 1, ~~characterized in that~~ wherein said radius-curved single leg termination is constructed from a succession of straight tube sections in an arcuate array.

5. (currently amended) A system according to claim 4, ~~characterized in that~~ wherein the total angle subtended by the succession of straight tube sections at the centre of curvature of the long radius curve radius-curve directs the flow direction of

the a descending mass flow of dense phase solids into a plane orthogonal to the an ascending gaseous flow.

6. (currently amended) A system according to claim 1, ~~characterized in that,~~ wherein, with respect to the centre line of ~~the inlet~~ an inlet to the ~~curved~~ radius-curved single leg termination, ~~the junction~~ a junction of the leg of the primary cyclone and the leg of the secondary cyclone lies on the side opposite ~~the discharge~~ a distal end of the ~~curve,~~ the radius-curved termination and higher than the ~~discharge~~ distal end by a distance in the range from 3.5 to 5.5 times ~~the diameter~~ a diameter of the leg of the primary cyclone.

AMENDMENTS TO THE DRAWINGS

The attached sheet of drawings includes changes to Fig. 1. This sheet, which includes Fig. 1, replaces the original sheet including Figure 1.

Attachment: Replacement Sheet